

NOTES FROM 06.08.05 PROTON DRIVER MEETING - CIVIL

Attendees: Rich Stanek, Bill Foster, Mike May, Bob Webber, Jerry Leibfritz, Mike Andrews, Lee Hammond, Gary VanZandbergen, Ed Crumpley, Chuck Federowicz, Elaine McCluskey

ITEMS DISCUSSED:

1. **Linac Enclosure cross-section:**
 - a. HVAC duct location in upper non-aisle corner is ok for typical section, but in front end area will need to be in elsewhere due to cabling interferences.
 - b. Has piping isolation dampening been considered? Is it necessary? No clear answer.
 - c. Change in how waveguide is distributed is being considered. This would distribute waveguides in building rather than enclosure in Initial scheme.
2. **Linac Front End:**
 - a. Bill says to not do any layout of this for now. Meson test setup needs to happen to decide sizes and locations of equipment required.
 - b. Need for 3 ft shield wall: Mike related this to what he's seen at SNS, and believes this would provide beam-on access. Requires exit at each end. Conclusion was that Meson set up will determine what will be required here. At RFQ & MBET there's no need for a shield wall because this would be in an open area.
 - c. Question of desire for open floor above front end of machine
 - i. Could be for tours, show and tell
 - ii. Air in tunnel could be affected – will probably need air lock door between front end and linac tunnel
3. **Beam-on access in front end:**
 - a. When beam is on, might just be looking at signals that could be run to building, but might be in tunnel.
 - b. Agreed that separate meeting is required for Meson layout to answer lots of questions. Civil meeting not appropriate for this.
4. **Information about Meson setup:**
 - a. Klystron here in February
 - b. RFQ maybe 18 months from now
 - c. Probably up and running 12 to 18 months
 - d. Could use Meson East tunnel north of proposed test setup for typical tunnel and building cross-section. Later talked to Dixon (who was not at meeting) who wondered if Meson East tunnel had enough cross-section to be able to do this.
5. **Typical RF station layout:**
 - a. Still awaiting information from Al Moretti on waveguide layout
 - b. Information about horizontal versus vertical klystrons – DESY is planning to use 3 vendors for horizontal klystrons. If this goes ahead, will probably mean PD will also use horizontal klystrons. Might know this by end of summer.
6. **Staking of beamline:** Now staked through the woods with 4 points thanks to Alignment Group. Can walk entire beamline. Discussed solidity of alignment. Some question at M10 region.

ITEMS FOR NEXT MEETING:

- Review environmental issues, including
- Rod – consultant report on Wetland Determination
 - Rod – COE visit on 6/14
 - Paul/Kamran – hydrogeologic borings

NEXT MEETING 6/15/05 AT 9:30 A.M. IN THE conFESSional WH5NE